

**Docket No.: 645-143**



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
PATENT OPERATION

Applicants:

Hiroyuki Minamikawa et al.

Examiner: Karl Group

Serial Number: 09/841,614

Group Art Unit: 1755

Filing Date: April 24, 2001

Title: LOW EXPANSION TRANSPARENT GLASS-CERAMICS, GLASS-CERAMIC  
SUBSTRATE AND OPTICAL WAVEGUIDE ELEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATION UNDER 37 CFR §3.73**

SIR:

I, James V. Costigan, do hereby certify that I am providing evidence of the title of the above-identified application and that I have reviewed the file of the above-identified application and to the best of my knowledge and belief, title to the above-identified application is in Kabushiki Kaisha Ohara. I have also reviewed the title of U.S. Patent No. 5,972,816 and to the best of my knowledge and belief, title to that patent and that application is also the name of Kabushiki Kaisha Ohara.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so

made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application and of any patent issued thereon.

Dated: June 27, 2006

By:

  
James V. Costigan

Title: Attorney of Record